

Time Attendance & Access Control Terminal TrueFace50FP



TrueFace50FP is a high-capacity AI-powered face recognition time attendance and access control terminal designed for large-scale and high-security applications. Featuring a 7-inch IPS display, a 2 MP wide-angle WDR camera, and advanced face recognition technology, it delivers fast, accurate authentication with over 99.9% recognition accuracy in just 0.2 seconds.

Supporting Face, Fingerprint, Card, Password & QR verification, along with liveness detection, it provides secure and reliable access control while preventing spoofing attempts. With support for up to 50,000 users, 50,000 face templates, 10,000 Fingerprint, 50,000 cards, 50,000 passwords, and 300,000 event records, the TrueFace50FP is an ideal solution for corporate offices, industrial facilities, educational institutions, government buildings, and other high-traffic environments.

Verification & Features



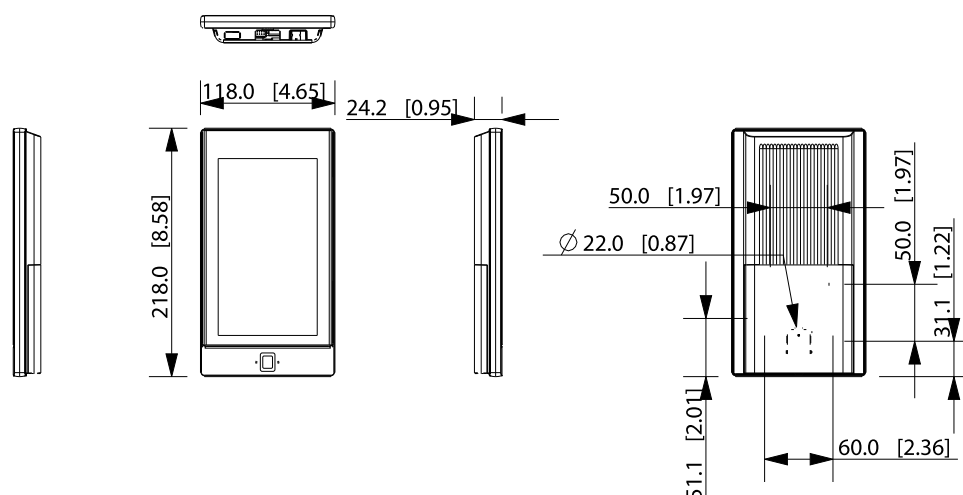
Technical Specification

Capacity	
User Capacity	50,000
Face Capacity	50,000
Fingerprint Capacity	10,000
Card Capacity	50,000
Password Capacity	50,000
QR Capacity	50,000
Log Capacity	3,00,000
System	
Main Processor	Embedded Processor
Operating System	Linux
Network Protocol	UDP; TCP; IPv4; RTSP; SIP; P2P; RTP
OSDP Protocol	Yes
SDK and API	Yes
Basic	
Display Screen	7 inch IPS
Screen Type	Capacitive Touchscreen
Screen Resolution	600 x 1024
Camera	2-MP CMOS HD dual-lens camera
WDR	120 dB
Light Compensation	Auto IR
Voice Prompt	Yes
Casing	PC + ABS
Function	
Unlock Mode	Face, Fingerprint, Card, Password and QR
Card Type	MIFARE Card
Period List	128 periods
Holiday Period	128 periods
First-Card Unlock	1 RS-485, 1 Wiegand
Web Configuration	Yes
Wi-Fi	Yes

Wireless Standard	802.11b/g/n
Wireless Frequency Range	2.400 GHz–2.472 GHz
Max Transmission Power	≤20 dBm@2400-2483.5 MHz
Peripheral Card Reader	1 × RS-485 card reader; 1 × Wiegand card reader
Multi-user Authentication	Yes
Real-time Monitoring	Yes
Multi-factor Authentication	Yes
Multi-user Authentication	Yes
Capture Function	Yes
Auto Registration	Yes
Performance	
Card Reading Distance	0 cm–3 cm (0"–1.18")
Face Recognition Height Range	0.9 m–2.4 m (2.95 ft–7.87 ft)
Face Recognition Distance	0.3 m–2.0 m (0.98 ft–6.56 ft)
Face Recognition Accuracy	99.9%
Face Recognition Time	0.2 s
Fingerprint Sensor Type	Capacitive
Fingerprint Verification Mode	1:N
Fingerprint Comparison Time	1.5 s
Fingerprint Recognition Time	0.5 s
Ports	
RS-485	1
RS-232	1
Wiegand	1 input/output
USB	1 USB2.0 port
Network Port	1 × RJ-45 10/100 Mbps Ethernet port
Alarm Input	2 (Digital quantity)
Alarm Output	2 (Relay)
Alarm Linkage	Yes
Exit Button	1
Door Status Detection	1
Lock Control	1

Alarm	
Anti-Passback	Yes
Tamper Alarm	Yes
Duress	Yes
Door Sensor Timeout	Yes
Intrusion	Yes
Illegal Card Exceeding Threshold	Yes
General	
Power Supply	Provided
Power Supply Mode	DC 12V, 2A
Power Consumption	≤24 W
Working Temperature	-20 °C to +55 °C
Working Humidity	0%RH-90%RH (non-condensing)
Gross Weight	0.67 kg (1.48 lb)
Production Dimensions	218 mm × 118 mm × 24.2 mm
Installation Method	Turnstile Mount, wall, floor bracket mount

Dimension Drawing



Application



Education



Office



Government



Health



Bank



Logistics



Factory



Retail

Disclaimer : All pictures shown are for illustration purposes only. The actual product and color may vary due to product enhancement. The brief specification is mentioned and may change without prior notice. Please consult us before placing any order.